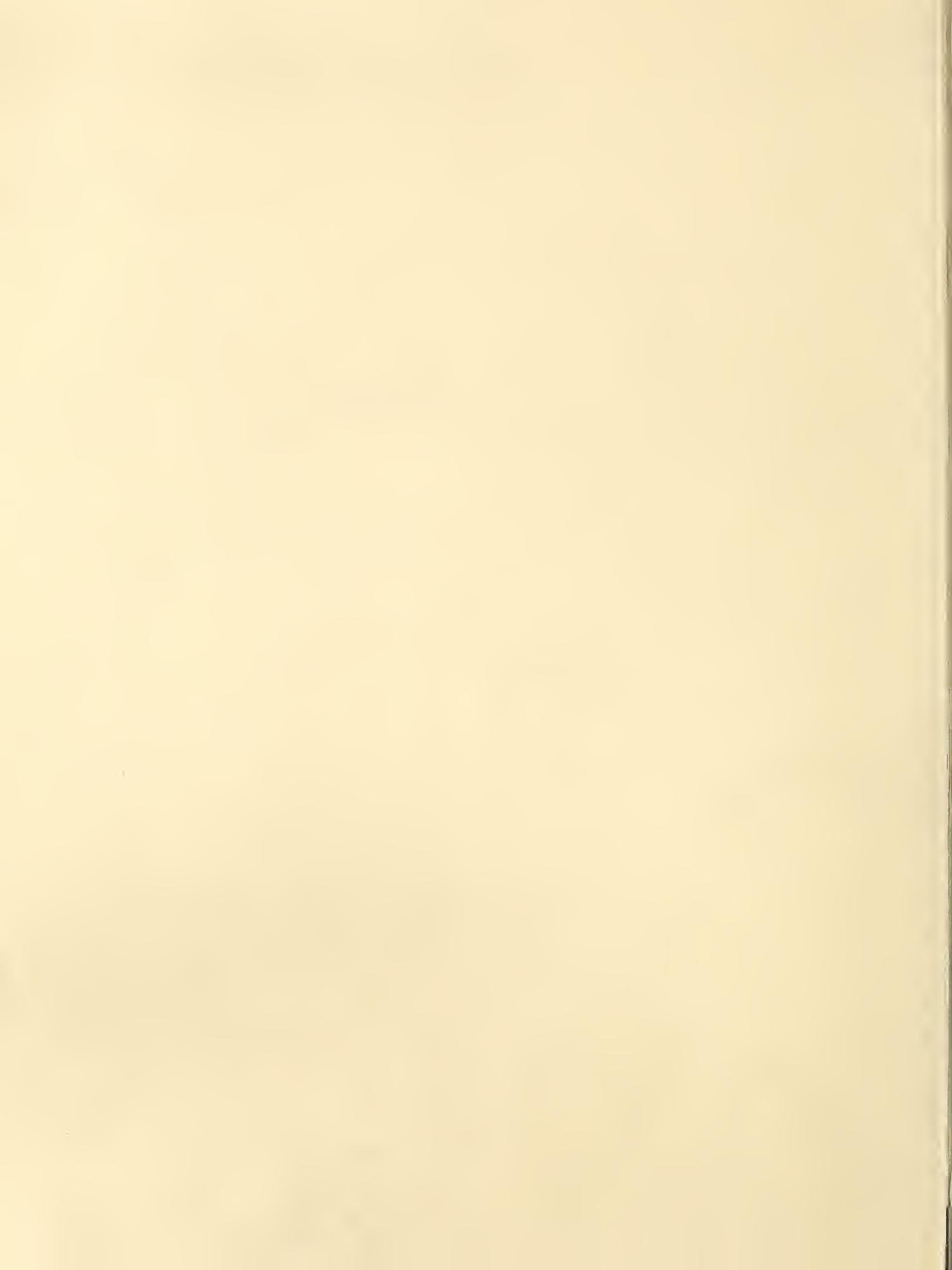


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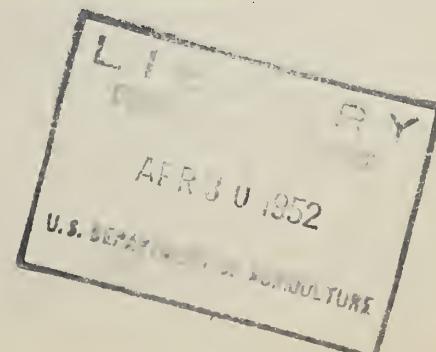
CROP REPORTING BOARD

FARM PRODUCTION, DISPOSITION, AND INCOME FROM MILK, 1950-51



WASHINGTON, D. C.

APRIL 1952



REVISIONS OF THE ESTIMATES

The estimates of milk production and related items for the 1940-50 period shown in this publication are revised estimates. These revisions have been based principally on new information provided by the 1950 Census and a considerable accumulation of data on commercial milk supplies in recent years. Every fifth year, the Census takers visit individual farms and enumerate items of agricultural inventory and production. When totals from the census become available, the Department of Agriculture's estimates of agricultural output, which have been projected forward through the intercensal years on a sample basis are reviewed, and if changes appear necessary on the basis of the more complete information, the estimates are adjusted or "revised". 1/

The 1950 Census brought to light some sharp postwar changes in the farm dairy industry. Most drastic was the decline of 19 percent in the number of farms keeping milk cows over the period from 1944 to 1950. Original estimates of numbers of milk cows on farms prepared on the basis of sample data had allowed for a reduction of $11\frac{1}{2}$ percent in milk cows during the 6-year period. After reviewing the results of the 1950 Census, the estimates of milk cow numbers for 1950 were reduced by an additional $3\frac{1}{2}$ percent. Much of the necessity for the revision appears to have been the lack of sufficient current information on number of farms keeping milk cows. Analysis of new information on milk production per cow from the census and other sources resulted in only small changes, with the National average for 1950 revised upward 22 pounds per cow, or less than half of one percent. As a result of the downward revision in milk cows, estimated milk production on farms in 1950 was reduced by about 3 percent, or 4 billion pounds.

Estimates of farmers' disposition of milk likewise were affected by the new information from the 1950 Census. The sharp reduction in number of farms with milk cows and consequent smaller population on farms producing milk made necessary a material reduction in estimates of the quantity of milk consumed as fluid milk and cream on farms where produced. This decrease accounted for about two-thirds of the total reduction in farm milk production. A careful review of check data on sales of milk and cream by farmers, including not only census reported figures, but also information on receipts and utilization of milk and cream at dairy plants suggested only a small reduction from the original estimates in the volume of milk and cream sold by farmers. National estimates of milk and cream sold by farmers in 1950 (milk equivalent basis) were adjusted downward about 1 percent, or 1 billion pounds. Census information relating to butter churned on farms resulted in a downward revision of 4 percent in the National estimate.

The revised estimates of milk production on farms and new information with respect to the utilization of milk that has become available in recent years are reflected in Table 9 on supply and utilization of milk. On the supply side this table included previously the estimates of milk produced on farms together with an allowance of 2,826 million pounds for milk produced by milk cows not on farms. Recent supply and utilization data indicate that the allowance previously carried for milk production by cows not on farms, 2,826 million pounds, was much too high to be realistic. The 1920 Census enumerated 1,220,564 dairy cows not on farms, and estimates for 1930 based on counts in sample counties showed 670,500 milk cows and 2,826 million pounds of milk produced by these "town" cows. With no information available since 1930, the quantity estimated for 1930 was previously carried forward as a constant figure from 1930 through 1950. However, it is probable that by 1950 production by town cows had decreased to not more than 1 billion pounds of milk. Therefore, the allowance previously carried for milk production by cows not on farms has been dropped out of the current table.

On the utilization side, the table previously included estimates of milk used on farms where produced, commercial uses as represented by milk equivalents of manufactured dairy products and estimated consumption of fluid milk and cream in cities and villages, and a residual representing the difference between the total supply and the uses shown. Analysis of information recently brought together indicates that the level of consumption of fluid milk and cream in cities and villages as estimated previously has been too high. During the wartime period of food control, information became available on sales of fluid milk and cream in cities where War Food Order 79 was in effect. A special study of this material for the year 1944, together with information for smaller towns and cities from other sources, was inaugurated in 1948, with funds available under the Research and Marketing Act, to determine more closely the level of nonfarm consumption of fluid milk and cream. Preliminary results of this study definitely suggest a lower level of nonfarm fluid milk and cream consumption than that indicated by estimates from other sources, with the possibility that the entire consumption series needs to be revised at least back to 1929.

Because of the necessity for further analysis of the consumption series, the utilization side of the balance table published at this time includes only the milk equivalents of manufactured dairy products and the utilization of milk on farms where produced. The difference between farm production and the specified uses has been lumped together under "other uses". Included in these other uses are fluid milk and cream consumption in cities and villages on farms not producing milk, together with the net effects of production by nonfarm cows, miscellaneous minor uses not specified separately, and any residual errors of the independently shown estimates on both the production and utilization sides of the table.

1/ A more detailed discussion of revisions and the 1950 Census information will be found in United States Department of Agriculture Statistical Bulletin No. 110 entitled Farm Production, Disposition, and Income from Milk, revised estimates, by States, 1940-49, which is available on request.

UNITED STATES DEPARTMENT OF AGRICULTURE
 BUREAU OF AGRICULTURAL ECONOMICS
 Washington, D. C.

FARM PRODUCTION, DISPOSITION, AND INCOME FROM MILK 1950-51 1/

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SUMMARY

Milk production on farms in 1951 totaled 115.6 billion pounds, 1 percent less than in 1950, and about the same as a decade ago. Milk cows on farms totaled 21.7 million head, the smallest annual number since 1929. Average milk production per cow reached a new high record of 5,326 pounds. Farmers used 17.6 billion pounds of milk on farms where produced for household consumption and feeding calves. The other 98.0 billion pounds were utilized for products sold. Whole milk sold by farmers to dairy plants in 1951 reached a new high of 74.6 billion pounds, but cream sold to plants, retail sales by farmers, and farm-churned butter sold were the smallest in 28 years of record. Prices received by farmers for dairy products in 1951 were exceeded only in 1948. Average returns of \$4.38 per hundred pounds for milk used in products sold were about 17 percent more than in 1950. Farmers cash receipts from milk, cream, and butter marketed in 1951 totaled 4,290 million dollars in 1951, compared with 3,719 million dollars in 1950. Milk products consumed on farms where produced were valued at 673 million dollars, bringing the 1951 gross farm income from dairy products to 4,964 million dollars. Output of factory products absorbed 45 percent of the milk produced, farm uses 15 percent, and other uses, chiefly nonfarm fluid consumption, 40 percent. In 1950, 3,648 thousand farms had milk cows, 1,097 thousand sold whole milk, 862 thousand sold cream, but only 601 thousand were considered "dairy" farms, according to the Census of Agriculture.

1/ Prepared by John L. Wilson and Herbert M. Walters, Agricultural Statisticians, under the general direction of B. H. Bennett, Head, Division of Dairy Statistics.

Milk production on United States farms in 1951 is estimated at 115.6 billion pounds, down 1.0 billion pounds from 1950 and 4.2 billion pounds below the record output of 119.8 billion pounds established in 1945. Production in 1951, while the second smallest since 1941, exceeded the 1948 recent-year low by almost 3 billion pounds and was well above any annual output prior to World War II. Milk production per cow in 1951 averaged 5,326 pounds, a record high. Since 1944 output per cow has increased progressively and by 1951 was 16 percent above the 1944 level. Butterfat production per cow in 1951 averaged 211 pounds, also a new record high. The number of milk cows on United States farms in 1951 averaged 21,705,000 -- the smallest annual number since 1929. Milk cow numbers were 1 percent less than in 1950 and 15 percent less than the record high of 25.6 million on farms in 1944.

In 33 States milk production was lower in 1951 than in 1950, and in 15 it was higher. In all regions except the East North Central and South Atlantic, farm milk production was down. Sharpest decreases were in the South Central Region where Texas and Oklahoma recorded drops of 6 and 8 percent respectively. Four other States in the area showed moderate declines. Production in the West North Central Region in 1951 was 2 percent below 1950, with decreases in all States except North Dakota. Production showed a 1 percent gain in the East North Central States, where 3 of the 5 States showed increases, including a 3 percent gain in Wisconsin.

California High on Milk Per Cow

Production per cow continued to increase over the Nation, with 22 of the 48 States setting new record highs in 1951. With an average of 7,700 pounds, California continued to lead all other States in production per cow. New Jersey was second with 7,510 pounds per cow, followed by Rhode Island and Wisconsin with 7,280 and 7,010 pounds respectively. Principal factors in the continued increase in production were close culling, better feeding practices, and improved breeding due, in part, to expansion of artificial insemination.

In 1951 milk cow numbers were lower than in 1950 in all regions, except the South Atlantic. In the important North Central Region, milk cow numbers were down about 1½ percent, with all States except Wisconsin and Missouri sharing in the drop. Substantial decreases in this area included 4 percent in Illinois and Nebraska and 3 percent in South Dakota and Iowa. Declines shown by other regions were: North Atlantic, 1 percent; South Central, 1 percent; and West, 2 percent. The only regional increase was in the South Atlantic where annual milk cow numbers were up 1 percent from 1950. Three of the 8 States in this area showed increases of 3 percent, and 3 others showed gains of smaller magnitude. Increases were also recorded in 4 of the 8 South Central States, including Alabama with a 3 percent gain, and Louisiana where the rise was 5 percent. Estimates of milk cows and milk production by States for 1950 and 1951 are shown in table 1 and for the United States, 1924-51, in table 2.

One-sixth of Butter Churned on Farms

Farm butter production in 1951 is estimated at 249 million pounds, 5 percent less than in 1950 and only two-fifths as much as 25 years ago. However, creamery butter production also has been declining, so that in 1951 about 17 percent of the total butter was still churned on farms. Milk used to make farm-churned butter in 1951 amounted to 4.9 million pounds, slightly more than 4 percent of the total produced on farms. This is considerably less than the 13.3 million pounds of milk used for farm butter in 1924, when about 15 percent of the milk produced was used for this purpose.

In the Southern States production of farm-churned butter continues to be important. The South Atlantic and South Central Regions produced three-fourths of our total farm butter. Farm butter utilized the butterfat from over 3.6 million pounds of whole milk or 16 percent of the milk produced in those States. Alabama led in farm butter production with 25.5 million pounds, followed by North Carolina and Texas.

Whole Milk Sales Set New Record High, Sales of Cream Down

Whole milk sold or utilized in dairy products sold from farms in 1951 amounted to 98.0 billion pounds, down 1.1 billion pounds from 1950. Of this total, 74.6 billion pounds was sold from the farm as whole milk to plants and dealers for processing and redistribution

Table 1.-Milk Cows and Milk Production on Farms, by States, 1950 and 1951

State and Division	Milk cows on farms 1/		Milk production per cow 2/		Total milk production on farms 2/		
	1950 3/	1951 4/	1950 3/	1951 4/	1950 3/	1951 4/	1951 as percent of 1950
	Thousands		Pounds		Million pounds		Percent
Me.	109	105	5,700	5,870	621	616	99
N. H.	61	58	5,640	5,800	344	336	98
Vt.	257	250	5,900	5,980	1,516	1,495	99
Mass.	120	118	6,500	6,600	780	779	100
R. I.	19	19	7,200	7,280	137	138	101
Conn.	108	108	6,450	6,480	697	700	100
N. Y.	1,300	1,292	6,810	6,820	8,853	8,811	100
N. J.	153	151	7,450	7,510	1,140	1,134	99
Pa.	891	891	6,320	6,310	5,631	5,622	100
N. Atl.	3,018	2,992	6,534	6,561	19,719	19,631	99.6
Ohio	945	934	5,580	5,530	5,273	5,165	98
Ind.	693	681	5,350	5,500	3,708	3,746	101
Ill.	925	892	5,630	5,680	5,208	5,067	97
Mich.	863	854	6,280	6,410	5,420	5,474	101
Wis.	2,160	2,170	6,850	7,010	14,796	15,212	103
E. N. Cent.	5,586	5,531	6,159	6,267	34,405	34,664	100.8
Minn.	1,349	1,317	5,980	6,030	8,067	7,942	98
Iowa	1,124	1,088	5,490	5,420	6,171	5,897	96
Mo.	939	942	4,400	4,370	4,132	4,117	100
N. Dak.	375	368	4,530	4,620	1,699	1,700	100
S. Dak.	333	323	4,210	4,300	1,402	1,389	99
Nebr.	462	444	4,870	4,840	2,250	2,149	96
Kans.	560	553	4,550	4,480	2,548	2,477	97
W. N. Cent.	5,142	5,035	5,109	5,099	26,269	25,671	97.7
Del.	35	36	5,300	5,300	186	191	103
Md.	224	230	5,600	5,500	1,254	1,265	101
Va.	440	435	4,490	4,540	1,976	1,975	100
W. Va.	210	207	3,970	3,920	834	811	97
N. C.	350	357	4,460	4,450	1,561	1,589	102
S. C.	146	150	3,810	3,750	556	562	101
Ga.	328	330	3,580	3,530	1,174	1,165	99
Fla.	136	137	4,400	4,400	598	603	101
S. Atl.	1,869	1,882	4,355	4,336	8,139	8,161	100.3
Ky.	601	598	4,040	3,960	2,428	2,368	98
Tenn.	626	628	3,720	3,680	2,329	2,311	99
Ala.	362	372	3,570	3,440	1,292	1,280	99
Miss.	510	516	2,790	2,780	1,423	1,434	101
Ark.	400	394	3,230	3,180	1,292	1,253	97
La.	282	296	2,550	2,470	719	731	102
Okla.	541	517	3,680	3,560	1,991	1,841	92
Tex.	1,018	988	3,390	3,300	3,451	3,260	94
S. Cent.	4,340	4,309	3,439	3,360	14,925	14,478	97.0
Mont.	114	110	4,960	4,990	565	549	97
Idaho	190	186	6,300	6,240	1,197	1,161	97
Wyo.	46	44	5,200	5,250	239	231	97
Colo.	174	169	5,300	5,350	922	904	98
N. Mex.	53	50	4,060	4,200	215	210	98
Ariz.	46	46	5,900	5,800	271	267	99
Utah	100	100	6,550	6,570	655	657	100
Nev.	15	14	6,050	6,100	91	85	93
Wash.	263	253	6,640	6,720	1,746	1,700	97
Oreg.	211	203	5,940	5,950	1,253	1,208	96
Calif.	777	781	7,710	7,700	5,991	6,014	100
West.	1,989	1,956	6,609	6,639	13,145	12,986	98.8
U. S.	21,944	21,705	5,314	5,326	116,602	115,591	99.1

1/ Average number on farms during year, heifers that have not freshened excluded.

2/ Excludes milk sucked by calves and milk produced by cows not on farms.

3/ Revised.

4/ Preliminary.

in fluid channels or for manufacturing into dairy products. Whole milk sales in 1951 represented a record total, exceeding the 1950 previous high by 400 million pounds. In the last decade whole milk sales to plants and dealers have increased 43 percent, and in the 28 years of record have almost tripled. On the other hand, sales of farm-separated cream to plants and dealers have decreased about 44 percent since 1941, and in 1951 were down to about half the record high set in 1933. Sales of farm-skimmed cream to plants and dealers in 1951 accounted for 19.0 billion pounds of milk, 1.2 billion pounds or 6 percent less than in 1950. Retail sales of milk and cream by farmers direct to consumers aggregated 3.8 billion pounds of whole milk in 1951. This total represents a 3 percent decrease from 1950, continuing the long time decline. Farm-churned butter sold accounted for about 600 million pounds of milk, 13 percent less than in 1950 and the smallest volume for this purpose in many years.

The quantity of milk utilized on farms where produced in 1951 is estimated at 17.6 billion pounds, practically unchanged from 1950. Milk and cream consumed in farm households accounted for 9.8 billion pounds. Farm-churned butter consumed at home represented another 4.3 billion pounds of milk, and calves were fed 3.5 billion pounds of whole milk.

Cash Receipts Second to 1948

Farmers' cash receipts from marketings of dairy products in 1951 amounted to \$4,290,299,000 -- the second largest cash return for dairy products in over a quarter century of records. The 1951 total was up 15 percent from 1950, but is still 2 percent below the record total of \$4,389,357,000 in 1948. Farmers' cash receipts from dairy products represent the combined value of the milk, cream, and farm-churned butter sold. As such, the cash receipts from sales should not be used as a measure of profitability of dairying, since production expenses in 1951 were higher than in 1950.

Whole milk sold to plants and dealers continued to be the principal source of income to dairy farmers, representing almost 80 percent of the cash return from dairy products in 1951. Farmers sold 74.6 billion pounds of whole milk to plants and dealers at an average price of \$4.58 per hundred pounds, and obtained a cash return of \$3,417,986,000. Since the volume of whole milk sold was up slightly from 1950, and prices averaged 69 cents per hundred-weight higher, the 1951 cash receipts from sales of whole milk rose about one-fifth from the previous year. Cash receipts from sales of farm-skimmed cream also increased in 1951 as higher prices for butterfat more than offset the decrease in total pounds sold. Butterfat in farm-separated cream which was sold to plants and dealers in 1951 totaled 714 million pounds, and prices averaged 70 cents per pound, bringing farmers a total cash return of \$499,533,000, 6 percent more than in 1950. Farmers' retail sales of milk and cream direct to consumers in 1951 aggregated 1,775 million quarts of milk at 19.9 cents per quart, bringing cash returns of \$353,681,000 compared with \$339,372,000 in 1950. As the higher price per pound for farm butter in 1951 did not quite offset the drop in volume sold, total cash receipts for this product dropped 7 percent below 1950. Sales of farm butter in 1951 totaled 31,435,000 pounds, which at 60.8 cents per pound brought farmers a total return of \$19,099,000. Data on volume and value of milk products sold by farmers in the United States for the period 1924-1951 are shown in table 3.

Wisconsin Still Dairyland

Wisconsin again topped all States in cash receipts from farm marketings of dairy products. The 1951 cash return to Wisconsin dairy farmers totaled 543 million dollars -- one-eighth of the National total. New York was the second ranking State with 390 million dollars, followed by California with 281 million dollars and Pennsylvania with 266 million dollars. Wisconsin likewise continued to lead in total farm receipts from whole milk sold to plants and dealers with 525 million dollars, followed by New York with 368 million, California with 247 million, and Pennsylvania with 239 million dollars.

Iowa led all States in cash receipts from marketings of farm-skimmed cream with 108 million dollars, followed by Minnesota with 92 million dollars. Receipts for these two States accounted for 40 percent of the National total income from sale of cream. In Nebraska, now the third ranking State, farmers received 33 million dollars from sales of cream. Retail sales of milk and cream by farmers direct to consumers returned California farmers 32 million dollars, to lead all States. Pennsylvania was second with 22 million dollars, and New York and Texas were next with 19 million dollars each. Texas again led in receipts from sale of farm-churned butter with 2 million dollars, followed in order by North Carolina, Pennsylvania and Georgia.

Unit Returns from Sale of Dairy Products up Sharply

The average return to farmers per hundred pounds of whole milk utilized in dairy products sold was \$4.38 in 1951 compared to \$3.75 a year earlier. This value is a composite price of all

milk utilized in milk, cream, and butter marketed from the farm. Average returns by States vary according to the level of prices for different types of products and the proportion of the various products sold. In 1951, State average returns per 100 pounds of milk in dairy products sold varied from a low of \$2.78 in North Dakota to a high of \$7.20 in Florida. Milk retailed by farmers provided the highest return of any type of milk product sold from farms, averaging \$9.26 per 100 pounds. This compares with a \$4.58 per hundred pounds for whole milk sold to plants and dealers, \$3.06 for whole milk used for making farm butter, and \$2.64 for milk skimmed for sale as cream.

Value of Milk Consumed in Farm Households up Sharply

The value of milk, cream and farm butter consumed in the household on farms where produced in 1951 totaled \$673,473,000, up 13 percent from 1950. The volume of milk utilized in these products was down 1 percent, but the sharp increase in unit value boosted the total value. Products consumed in farm households in a particular State are evaluated by multiplying the milk used to make the products by the average returns per hundred pounds received for milk in products sold in that State.

The value of dairy products consumed in farm households was up in every region. The Southern States, with a large farm population and a high consumption of farm butter, continued to lead in value of milk products consumed in households on farms where produced. The South Atlantic and South Central Regions combined account for 60 percent of the National total. Texas was first among the States in value of products consumed on farms where produced, followed by North Carolina and Alabama. Data on value of farm consumption by States in 1951 are contained in table 7.

The National gross farm income from milk in 1951, which includes cash receipts from dairy products sold from farms and the value of dairy products consumed on farms where produced aggregated \$4,963,772,000, the second highest in the 28 years of record. This is a 15 percent increase over the 1950 total but is 4 percent under the 1948 record high of \$5,155,458,000.

Factory Products Take 45 Percent of Milk

Of the milk produced on farms in 1951, 15 percent was used on farms where produced, 45 percent was used in production of manufactured dairy products, and 40 percent went into other commercial uses. Butter-making operations on farms utilized the fat from 4 percent of the milk produced, consumption of fluid whole milk and cream on farms where produced accounted for 8 percent, and whole milk fed to calves, 3 percent. Among the factory products, creamery butter production utilized 21 percent of the total milk production, cheese used, 10 percent, and evaporated, condensed, and dry milk products, 7 percent. On a gross basis, frozen dairy products made in plants used fat from 7 percent of the milk produced, but net usage of milk and cream in these products excluding duplications was equivalent to only 6 percent. The proportion of total milk production not accounted for in factory and farm uses -- 40 percent -- was used for other purposes including fluid milk and cream consumption by nonfarm population, miscellaneous minor uses, and unaccounted for items.

The 115.6 billion pounds of milk produced on farms in 1951 was virtually unchanged from a decade earlier. However, milk used in factory dairy products decreased from 60 billion pounds in 1941 to 52 billion pounds in 1951, a net reduction of 8 billion pounds. Sharp shifts among factory products were also evident. Creamery butter utilized 13 billion pounds less milk in 1951 than a decade earlier, but cheese required 2 billion pounds more milk, frozen dairy products about $2\frac{1}{2}$ billion pounds more, and evaporated, condensed, and dry milk products about the same amount as in 1941. Farm uses, including farm-churned butter, household consumption, and feeding calves, declined about 5 billion pounds during the decade. The decreases in factory and farm utilization, however, were offset by increases in other uses, mainly fluid milk and cream consumption by the steadily expanding nonfarm population. Data on supply and utilization of milk, 1940-51, are shown in table 9.

Milk Cows on Two-thirds of Farms

Of the 5,382 thousand farms in the United States, 3,648 thousand or 68 percent had milk cows, according to results of the 1950 Census of Agriculture. Milk or milk products were sold from about 2 million farms, or about 55 percent of the farms with milk cows. On the other 45 percent of the farms, milk cows were kept only for supplying the farm family with milk, cream, or home-made butter. Farms reporting whole milk sold in 1949 totaled 1,097 thousand, and those selling cream totaled 862 thousand. However, on the basis of major source of income in 1949, only 601 thousand farms were classified by the Census Bureau as "dairy" farms, or about 11 percent of the Nation's total farms. Data on 1950 numbers of farms, by States, are shown in table 11.

Table 2.—Production and disposition of milk on farms, United States, 1924-51

Year	Production of milk and milk products						Disposition of milk produced										
	Production per milk cow 2/		Total production on farms 2/		Butter churned on farms		Milk fed or consumed on farms where produced			Milk sold or utilized for preparation of dairy products sold from farms			For retail plants and dealers			Total sales of milk and cream by farmers 3/	
	Number of milk cows on farms 1/	Milk Butter-fat	Milk	Butter-fat	Milk used	Butter made	Fed to calves	As milk or cream	Consumed in the farm household	Used on farm	For farm churned butter	As cream	As milk	For farm churned butter	As cream	As milk	
Thous.	Pounds	Pounds	Percent	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	
1924	21,417	4,167	163.2	3.92	89,240	3,495	13,245	642,803	2,742	11,841	9,562	24,145	3,683	29,366	25,907	6,139	65,995
1925	21,503	4,218	165.1	3.92	90,699	3,551	12,736	618,730	2,784	11,662	9,278	23,724	3,458	30,417	26,830	6,270	66,975
1926	21,312	4,379	171.7	3.92	93,325	3,659	12,734	620,320	2,858	11,506	9,370	23,734	3,364	32,123	27,707	6,397	69,591
1927	21,191	4,491	172.2	3.92	95,172	3,734	12,436	607,245	2,901	11,315	9,214	23,350	3,222	33,356	28,600	6,564	71,742
1928	21,223	4,516	177.3	3.93	95,843	3,762	11,793	577,040	2,944	11,207	9,799	22,950	3,014	30,367	6,718	72,893	76,771
1929	21,618	4,579	179.7	3.92	98,988	3,884	11,046	542,064	3,012	10,932	8,273	22,217	2,773	33,808	33,347	6,843	76,771
1930	22,218	4,508	176.8	3.92	100,158	3,929	10,647	523,285	2,986	11,207	8,150	22,343	2,497	33,974	34,497	6,847	77,816
1931	23,108	4,459	175.0	3.93	103,029	4,045	11,061	544,395	2,997	11,913	8,564	23,664	2,507	35,468	34,614	6,976	79,665
1932	24,105	4,307	166.2	3.93	103,810	4,025	11,020	581,450	2,859	12,507	9,180	24,546	2,640	36,995	33,501	7,028	79,264
1933	25,062	4,180	164.2	3.93	104,762	4,114	11,798	579,845	2,878	12,784	9,293	24,555	2,505	36,524	33,705	7,073	79,807
1934	25,198	4,033	168.7	3.94	101,621	3,999	11,343	558,649	2,688	12,773	9,120	24,581	2,223	33,869	33,869	7,081	77,040
1935	24,187	4,184	165.4	3.95	101,205	4,000	10,931	539,110	2,676	12,410	8,807	23,893	2,124	32,564	35,647	6,977	77,312
1936	23,727	4,316	170.3	3.95	102,410	4,041	10,163	501,910	2,755	12,077	8,256	23,088	1,907	31,904	38,777	6,734	79,322
1937	23,340	4,366	172.5	3.95	101,908	4,025	9,548	472,270	2,724	11,955	7,795	22,474	1,753	30,644	40,470	6,567	79,434
1938	23,215	4,558	180.1	3.95	105,807	4,180	9,173	453,990	2,850	11,950	7,494	22,294	1,679	32,728	42,657	6,449	83,513
1939	23,273	4,589	181.5	3.95	106,792	4,223	8,653	428,689	2,967	12,167	7,102	22,236	1,551	32,987	43,801	6,217	84,566
1940 4/	23,671	4,622	183.5	3.97	109,412	4,345	8,129	402,690	2,994	12,063	6,688	21,745	1,441	32,965	47,152	6,109	87,667
1941 4/	24,288	4,738	188.2	3.97	115,088	4,571	7,967	395,476	3,124	12,020	6,587	21,731	1,380	33,967	52,062	5,948	93,267
1942 4/	25,027	4,736	188.0	3.97	118,533	4,704	7,365	366,370	3,294	11,856	6,127	21,277	1,238	31,080	59,076	5,862	97,365
1943 4/	25,451	4,598	182.7	3.97	117,017	4,661	6,860	341,620	3,276	11,616	5,777	20,668	1,083	29,871	59,656	5,739	96,349
1944 4/	25,597	4,572	181.9	3.98	117,023	4,657	6,621	329,848	3,258	11,688	5,584	20,530	1,037	26,026	63,680	5,750	96,493
1945 4/	25,033	4,787	190.3	3.98	119,828	4,764	6,714	335,690	3,290	11,451	5,645	20,386	1,069	23,868	47,152	6,109	87,667
1946 4/	24,089	4,886	194.2	3.97	117,697	4,677	6,557	330,650	3,198	11,562	5,488	20,226	1,071	21,379	69,619	5,352	97,421
1947 4/	23,329	5,007	198.9	3.97	116,814	4,639	6,154	311,050	3,194	11,048	5,207	19,449	947	20,952	70,559	4,907	97,365
1948 4/	22,345	5,042	200.4	3.97	112,671	4,498	5,808	293,290	3,064	10,505	4,937	18,506	871	19,712	69,010	4,572	94,165
1949 4/	22,024	5,272	208.6	3.96	116,103	4,595	5,440	275,780	3,163	10,027	4,650	17,840	790	19,949	73,290	4,234	98,263
1950 4/	21,944	5,314	210.4	3.96	116,602	4,618	5,160	261,520	3,286	9,808	4,442	17,536	718	20,208	74,205	3,935	99,066
1951 5/	21,705	5,326	210.6	3.96	115,591	4,572	4,910	248,850	3,452	9,825	4,285	17,562	625	18,957	74,629	3,818	98,029

2/ Average number on farms during year, heifers that have not freshened excluded.

3/ Excludes milk sucked by calves and milk produced by cows not on farms.

4/ Approximation based on sources of fluid milk supplies in villages, towns, and small cities, as indicated by health officer reports, together with some information on production and sales by producers who distribute their milk directly to consumers.

5/ Revised.

Preliminary.

Table 3.—Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household, and gross farm income from dairy products, United States, 1924-51

Year	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk			Value of milk products consumed in dairy products ³ on farms where produced ²	Gross farm income from dairy products ³ \$/dol.	
	Quantity sold	Price per lb.	Value of sales	Quantity butterfat sold	Price per lb. butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Average returns ¹	Per 100 lb. milk butterfat	Value of sales (Receipts from farm marketings)			
1000 lb.	St.	1000 dol.	1000 lb.	St.	1000 dol.	1000 dol.	St.	1000 dol.	1000 dol.	St.	1000 dol.	St.	1000 dol.	St.	1000 dol.	1000 dol.	1000 dol.	
1924	176,160	39.5	69,607	1,102,700	40.4	445,124	25,907	2.22	573,937	2,858	11.1	316,934	65,095	2.16	55.1	1,405,662	502,766	1,908,428
1925	165,630	40.5	67,116	1,141,700	42.4	483,821	26,830	2.38	638,137	2,914	11.2	325,651	66,975	2.26	57.7	1,514,725	506,402	2,021,127
1926	161,960	40.9	66,190	1,207,400	41.6	502,578	27,707	2.38	660,780	2,975	11.3	336,600	69,591	2.25	57.4	1,566,098	497,934	2,064,052
1927	155,410	41.5	64,529	1,255,010	44.5	559,005	28,600	2.51	717,841	3,053	11.3	343,781	71,742	2.35	59.9	1,635,156	500,138	2,085,294
1928	144,995	42.6	61,752	1,233,730	46.1	569,341	30,367	2.52	766,410	3,123	11.5	358,224	72,893	2.41	61.3	1,755,727	505,991	2,261,718
1929	135,045	42.2	56,932	1,271,120	45.2	574,259	33,347	2.53	84,182	3,188	11.5	355,056	76,771	2.39	61.0	1,838,459	485,313	2,323,801
1930	121,572	36.3	44,119	1,275,870	34.5	440,152	34,497	2.21	764,095	3,189	11.3	359,075	77,815	2.07	52.8	1,607,441	435,403	2,042,844
1931	122,352	27.2	33,321	1,332,560	24.8	329,863	34,614	1.69	584,488	3,244	10.1	329,063	79,565	1.60	40.7	1,276,735	366,216	1,642,951
1932	128,672	20.8	26,721	1,556,200	17.9	242,708	33,501	1.28	427,534	3,269	8.9	289,607	79,264	1.24	31.6	986,370	300,060	1,285,430
1933	122,015	20.1	24,533	1,371,050	18.8	257,549	33,705	1.30	435,179	3,288	8.6	282,945	79,807	1.26	32.1	1,004,206	305,292	1,309,496
1934	108,542	22.7	24,656	1,272,220	22.7	288,951	35,869	1.55	523,497	3,293	9.4	308,423	77,040	1.49	37.8	1,145,517	352,924	1,499,441
1935	103,970	26.7	27,766	1,223,560	28.1	345,457	35,647	1.74	620,243	3,243	9.8	318,030	77,312	1.69	42.8	1,310,204	386,026	1,696,230
1936	93,538	28.8	26,982	1,197,170	32.2	345,997	38,777	1.93	746,218	3,135	10.1	316,885	79,322	1.86	47.6	1,477,882	400,097	1,877,979
1937	86,332	28.6	25,548	1,151,270	33.3	382,801	40,470	1.97	795,068	3,056	10.5	320,354	79,434	1.92	48.6	1,524,771	406,214	1,930,985
1938	82,562	26.6	22,001	1,229,860	26.5	322,883	42,657	1.72	735,221	2,997	10.3	309,811	83,513	1.66	42.0	1,387,926	353,452	1,741,378
1939	76,363	25.0	19,113	1,237,940	23.9	285,456	43,801	1.68	734,703	2,890	10.3	296,250	84,556	1.59	40.3	1,345,522	341,302	1,686,824
1940 4/	70,779	26.6	18,857	1,247,130	28.0	349,733	47,152	1.82	858,445	2,845	10.3	294,317	87,667	1.74	43.8	1,521,352	358,886	1,880,237
1941 4/	68,018	30.4	20,685	1,284,890	34.2	439,769	52,062	2.19	1,140,628	2,768	10.8	288,754	93,357	2.04	51.4	1,899,856	404,088	2,303,924
1942 4/	61,056	35.2	21,515	1,173,950	39.6	464,975	59,076	2.58	1,521,246	2,728	11.8	322,015	97,256	2.40	60.5	2,388,751	459,952	2,789,705
1943 4/	53,426	43.7	23,359	1,127,200	49.9	562,028	59,656	3.12	1,859,540	2,669	12.7	340,266	96,349	2.89	72.8	2,785,493	543,723	3,328,916
1944 4/	51,315	43.8	22,463	983,370	50.3	494,795	63,680	3.21	2,044,059	2,676	13.2	355,902	96,493	3.03	75.9	2,915,119	556,697	3,471,816
1945 4/	53,016	45.3	24,001	903,020	50.3	455,943	68,929	3.19	2,195,915	2,595	13.4	347,408	99,442	3.04	76.4	3,021,266	554,095	3,575,361
1946 4/	53,636	58.3	31,245	806,070	64.3	518,153	69,619	3.99	2,780,034	2,493	15.2	379,580	97,421	3.81	96.0	3,708,992	683,667	4,392,659
1947 4/	47,665	63.3	30,153	791,730	71.8	568,620	70,559	4.27	3,014,789	2,285	17.5	339,022	97,365	4.12	103.8	725,608	4,012,554	4,738,162
1948 4/	43,805	66.7	29,206	744,220	79.9	594,475	69,010	4.88	3,364,385	2,130	18.8	401,291	94,165	4.66	117.4	4,389,357	766,101	5,155,458
1949 4/	39,845	58.0	23,108	752,830	61.6	465,965	73,290	3.95	2,895,535	1,971	18.6	355,717	98,263	3.81	96.2	5,748,725	621,226	4,368,550
1950 4/	36,240	56.8	20,591	762,030	62.0	472,226	74,205	3.89	2,886,496	1,832	18.5	359,372	99,066	3.75	94.7	3,718,685	593,644	4,312,328
1951 5/	31,435	60.8	19,099	713,650	70.0	499,533	74,629	4.58	3,417,986	1,776	19.9	353,581	98,029	4.38	110.6	4,280,289	673,473	4,963,772

1/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

2/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

3/ Value of combined sales, plus value of products consumed in the farm household.

4/ Revised.

5/ Preliminary.

Table 4 - Production and disposition of milk on farms, by States, 1950 1/

State and Division on farms	Production of milk and milk products										Disposition of milk produced									
	Production per milk cow 2/		Percent- age of butter- fat in milk		Total production on farms 3/		Butter churned on farms		Milk fed or consumed on farms where produced		For farm- household		For farm- plants and dealers		For retail sales of milk and cream by farmers 4/		Total utilized for products sold			
	Milk	Batter- fat	Milk	Batter- fat	Milk	Batter- fat	Milk	Batter- fat	Milk	As cream	Milk	As butter	Milk	As cream	Milk	As butter	Milk	As cream		
Maine	109	5,700	239	4.2	621	26	54	2,700	13	52	20	5	21	5	28	51	5	420	77	
N. H.	61	5,640	240	3.9	344	13	10	500	6	52	5	5	4	4	264	41	312	36	1,430	
Vt.	257	5,900	242	4.1	1,516	62	10	500	29	30	5	5	2	1	612	116	116	36	1,731	
Maine	120	6,500	254	3.9	780	30	7	320	14	30	5	5	6	1	111	20	111	20	1,131	
R. I.	19	7,200	281	3.9	137	5	20	20	2	4	5	5	1	1	583	70	583	70	654	
Conn.	105	6,450	215	3.8	697	26	6	280	13	25	5	5	33	1	33	62	7,935	241	8,271	
N. Y.	1,300	6,810	252	3.7	8,853	328	70	3,350	245	297	37	52	33	1	52	61	5,958	120	1,079	
N. J.	153	7,450	287	3.85	1,140	44	6	280	15	36	5	5	56	157	4,690	220	4,690	220	5,123	
Pa.	891	6,320	213	3.85	5,631	217	108	5,000	129	327	52	508	56	56	157	4,690	220	4,690	220	5,123
N. A.	3,018	6,534	218.8	3.81	19,719	751	211	12,750	472	845	140	1,457	131	232	16,958	944	16,958	944	18,282	
Ohio	945	5,580	266	4.05	5,273	214	76	3,800	155	384	57	56	19	19	428	4,970	160	4,970	160	4,677
Ind.	693	5,350	255	4.35	4,708	156	41	2,100	89	271	32	293	8	8	486	2,760	61	3,315	61	4,609
Ill.	925	5,630	217	3.85	5,208	201	73	3,400	130	405	64	599	9	9	790	3,650	160	3,650	160	4,853
Mich.	863	6,280	212	3.85	5,420	209	58	2,700	195	429	43	567	15	15	868	3,930	40	3,930	40	3,815
Wis.	2,160	6,850	251	4.2	14,796	547	11	2,700	548	8	8	8	3	472	13,270	70	13,270	70	13,269	
N. O. W.	5,586	6,159	237.6	3.86	34,405	1,327	259	12,500	1,117	1,814	205	3,116	54	54	3,044	27,680	491	31,269	491	31,269
Minn.	1,349	5,380	235	3.6	8,067	290	21	900	227	384	19	630	2	2	3,615	3,760	60	3,760	60	3,437
Iowa	1,124	5,490	209	3.8	6,171	234	75	3,300	185	471	70	726	5	5	4,250	1,120	70	3,445	70	3,445
No. D.	939	4,400	187	4.15	4,132	176	12	8,100	107	430	150	687	12	12	623	2,510	100	3,445	100	3,445
N. Dak.	375	4,530	170	3.75	1,693	64	90	4,000	63	149	87	299	3	3	1,212	95	30	1,400	30	1,400
S. Dak.	335	4,210	158	3.75	1,402	53	56	2,500	50	136	54	240	2	2	1,004	118	38	1,162	38	1,162
Nebr.	462	4,870	165	3.8	2,290	86	102	4,500	81	216	99	396	3	3	1,401	390	60	1,854	60	1,854
Nebr.	560	4,550	182	4.0	2,548	102	66	4,000	102	280	81	663	5	5	1,180	810	90	2,085	90	2,085
N. O. W.	5,142	5,109	195.4	3.83	26,269	1,005	592	27,300	815	2,066	560	3,441	32	32	13,545	8,803	448	22,828	448	22,828
Del.	35	5,300	209	3.95	1,254	7	3	150	4	11	2	11	1	1	1,170	1,170	11	1,170	11	1,170
Md.	224	5,600	221	3.95	1,254	50	26	1,200	25	66	16	107	10	10	17	1,050	60	1,050	60	1,147
Va.	440	4,490	191	4.25	1,976	84	214	13,700	66	311	224	601	50	50	200	2,510	75	2,510	75	1,375
W. Va.	210	3,970	171	4.3	834	36	60	6,000	30	194	102	326	18	18	118	280	92	280	92	508
N. C.	350	4,460	195	4.45	1,561	69	411	21,500	33	380	346	759	65	65	20	582	135	582	135	802
S. C.	146	3,810	170	4.45	1,556	25	168	8,800	10	154	141	305	27	27	10	150	64	150	64	251
Ga.	328	4,580	189	4.45	1,174	52	353	18,500	20	237	294	521	22	22	145	446	78	446	78	529
Fla.	1,136	4,387	187	4.25	598	25	331	1,600	6	37	26	689	59	59	22	446	78	446	78	529
S. A.	1,869	4,355	186.2	4.28	8,119	348	1,336	71,450	194	1,390	1,151	2,735	235	235	387	4,170	612	4,170	612	5,404
Ky.	601	4,010	178	4.4	2,428	107	107	13,500	48	455	242	715	21	21	372	1,170	120	1,170	120	1,683
Tenn.	362	3,720	167	4.5	1,292	58	105	19,000	40	451	323	794	40	40	140	1,215	80	1,215	80	1,515
Ala.	362	3,570	161	4.5	1,254	50	26	1,200	25	66	16	107	16	16	60	360	70	360	70	515
Miss.	510	2,780	126	4.5	1,423	64	359	18,800	17	306	345	668	14	14	40	640	61	640	61	755
Ark.	400	3,230	115	4.5	1,292	58	236	13,500	17	267	241	525	17	17	230	450	767	450	767	767
La.	282	2,550	113	4.45	1,719	32	88	4,600	9	185	81	275	7	7	2	290	45	290	45	444
Okla.	541	3,680	166	4.25	1,991	85	166	8,300	56	309	156	521	10	10	620	760	80	80	80	1,470
Tex.	1,018	3,390	163	4.45	3,451	154	411	21,500	59	648	337	1,044	74	74	253	1,870	240	1,870	240	2,407
S. O.	4,340	3,439	182.8	4.44	14,925	663	2,404	12,500	265	2,925	2,161	5,351	243	243	1,680	6,915	716	6,915	716	9,574
Mont.	114	4,960	193	3.9	565	22	33	1,500	23	62	29	114	4	4	255	160	32	160	32	451
Idaho	190	6,300	246	3.9	1,197	47	18	650	45	91	17	153	1	1	129	880	34	880	34	1,044
Wyo.	46	5,200	192	3.70	239	9	15	700	10	31	14	95	1	1	72	95	16	95	16	184
Colo.	174	5,300	201	3.8	922	35	34	1,500	39	69	31	169	3	3	317	400	43	400	43	763
N. Mex.	523	4,060	171	4.2	215	9	14	700	6	44	13	63	1	1	36	80	35	80	35	192
Aris.	46	5,900	224	3.8	271	10	7	320	7	18	6	31	1	1	10	196	33	196	33	240
Utah	100	6,550	216	3.75	655	25	13	600	22	51	12	85	1	1	26	515	28	515	28	570
Nev.	15	6,050	224	3.7	946	3	3	150	4	5	2	21	1	1	19	48	12	48	12	80
Wash.	263	6,640	282	4.25	1,746	74	40	2,000	65	126	36	227	4	4	200	1,220	95	1,220	95	1,519
Ors.	211	5,910	267	4.5	1,253	56	29	1,500	45	115	27	187	2	2	186	620	58	620	58	1,066
Calif.	777	7,710	301	3.9	5,991	234	42	2,000	157	136	35	311	4	4	70	2,625	321	2,625	321	5,650
Wash.	1,989	6,609	240.4	3.99	11,145	54	248	11,820	423	768	225	1,916	23	23	1,320	9,679	707	9,679	707	11,729
U. S.	21,944	5,314	240.4	3.96	11,602	4,616	5,160	261,520	3,286	9,808	4,442	17,596	718	718	20,208	74,205	1,404	74,205	1,404	99,066

1/ Revised. 2/ Average number on farms during year, herds that have not been excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms. 4/ Approximations based on sources of fluid milk supplies in villages, towns, and small cities, as indicated by health officer reports, together with some information on production and sales by producers who distribute their milk directly to consumers.

Table 5 - Farm Dairy Products: Quantities sold, prices and value; value of products consumed in the farm household; and gross farm income from dairy products, by States, 1950¹

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk			
	Quantity sold	Price per lb.	Value of sales	Quantity butterfat sold	Price per lb. of butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Milk utilized	Averages returns per 100 lb. milk	Value of sales	
Maine	1,400	65	910	210	69	1,145	420	5.00	21,000	36	20.3	7,308	5.54	132	29,363	
N. H.	250	66	165	120	70	119	1,385	4.94	13,042	19	20.1	3,819	5.47	140	4,321	
Vt.	270	66	178	170	72	29	612	5.57	34,088	54	20.8	11,213	5.47	111	1,168	
Mass.	100	68	68	40	72	29	111	5.91	6,560	9	17.9	3,213	4.92	159	65,004	
R. I.	5	69	3	41	4.41	400	5.57	6,732	54	20.8	11,232	7.31	6,417	2,174	47,591	
Conn.	60	69	41	2,310	56	1,294	583	5.16	31,352	33	20.4	6,732	5.90	155	36,605	
N. Y.	1,500	64	960	2,310	56	1,294	583	5.16	321,368	112	17.7	19,824	8,271	4,15	134,446	
N. J.	60	67	40	3,420	57	3,420	4,690	4.32	48,092	56	21.5	12,040	5.07	145	60,172	
Pa.	2,600	65	1,638	6,000	57	3,420	4,690	4.32	202,968	102	19.9	20,298	5.123	145	23,399	
N. A.	6,245	61.1	4,003	8,850	57.5	5,091	16,958	4.36	710,084	438	19.7	66,260	4.56	116	21,964	
Ohio	950	62	589	17,120	57	9,758	4,070	3.80	154,660	74	17.4	12,876	4.67	3,80	94	
Ind.	400	62	248	19,830	58	11,501	2,760	3.73	102,448	28	17.4	4,872	3.15	3,61	86	
Ill.	400	61	244	30,180	58	17,504	3,650	3.41	124,265	74	16.6	12,284	3.35	87	154,997	
Mich.	700	61	427	33,420	65	21,723	3,930	3.62	112,266	19	16.7	4,353	3.45	90	167,589	
Wis.	150	62	93	17,420	69	12,020	13,270	3.15	118,005	33	15.6	5,148	3.15	85	145,266	
N. C. E.	2,600	61.6	1,601	117,970	61.5	16,958	27,506	3.40	942,344	228	16.8	38,353	3.37	87.3	1,051,804	
Iowa	70	65	46	128,330	68	8,264	3,760	3.05	114,880	28	15.8	7,137	2.78	77	11,482	
Mo.	200	64	128	156,820	66	103,501	1,120	3.55	39,760	33	16.9	5,445	2.74	81	113,255	
N. Dak.	600	61	366	34,150	56	19,124	2,510	3.65	91,615	47	16.0	7,520	3.44	2,47	15,952	
S. Dak.	130	63	82	46,150	62	26,787	2,584	3.59	51,10	14	16.6	4,324	2.47	66	5,123	
Neb.	100	63	63	36,340	61	22,167	118	3.78	4,460	18	17.3	3,114	1.62	2,56	4,864	
Kans.	150	63	94	51,280	59	30,255	390	3.71	14,469	28	17.3	4,760	2.67	70	19,578	
N. C. W.	1,500	62.6	939	498,430	63.6	317,244	8,803	3.38	29,122	42	17.6	7,392	2.085	3,02	76	63,220
Del.	50	57	28	650	52	338	157	4.58	7,191	5	19.5	25,111	22,828	2.85	74,4	
Md.	450	55	248	650	52	338	1,060	4.72	50,032	28	19.5	9,755	123	4,85	61,010	
Va.	2,500	55	1,250	8,100	51	4,131	1,050	4.75	49,875	35	18.5	5,460	1.47	4,89	124	
W. Va.	900	54	486	4,740	55	2,607	280	4.51	12,028	43	18.3	7,669	1.37	105	61,026	
N. C.	3,400	54	1,836	840	52	437	582	5.06	29,449	63	20.0	12,600	802	5.33	124	
S. C.	1,400	57	798	420	64	227	150	5.67	8,505	30	20.0	6,000	2,050	1.39	15,530	
Ga.	3,100	53	1,643	920	56	515	445	5.74	25,543	45	20.3	9,355	623	5.91	123	
Fla.	2,500	60	150	2,340	52	1,146	446	6.57	21,302	36	21.8	7,848	5.29	7.05	166	
S. A.	12,050	53.4	6,349	15,670	52.7	8,255	4,170	5.10	212,525	285	19.7	56,257	5.40	122.7	146,574	
Ky.	1,100	57	627	15,620	52	8,122	1,170	3.70	43,90	56	17.4	9,744	1.683	83	61,783	
Tenn.	2,100	48	1,008	5,880	52	3,058	1,275	3.94	50,235	37	16.4	6,068	1.535	3,93	60,369	
Ala.	3,200	48	1,526	970	57	555	360	4.91	17,676	33	18.0	5,910	2.01	111	23,968	
Miss.	750	54	405	1,720	53	912	640	4.26	27,64	28	18.1	5,068	7.95	4,66	23,950	
Ark.	900	57	523	9,660	55	5,313	450	3.96	17,820	33	16.6	7,478	7.67	84	23,934	
La.	350	58	203	5,155	54	3,166	390	5.61	21,879	21	20.2	4,284	1.44	133	26,370	
Okla.	500	63	315	25,300	54	13,662	760	4.17	31,692	37	17.9	6,623	1.47	1,470	26,292	
Tex.	3,900	60	2,340	10,780	53	5,713	1,870	5.26	9,362	98	19.4	19,012	2,107	5.21	117	
S. O.	12,400	54.3	6,947	70,010	53.4	31,719	6,915	4.46	308,218	343	18.1	62,175	9.574	91.5	4,148	
Mont.	180	64	115	9,190	61	5,789	160	3.87	6,192	15	19.0	2,850	4.51	3.31	85	
Idaho	50	64	32	4,970	60	2,982	880	3.25	28,500	16	17.4	2,784	1.044	3,29	84	
Wyo.	50	64	2,680	63	1,688	95	3.88	3,686	7	18.2	1,274	1.84	3,63	98		
Colo.	1,20	63	82	11,480	61	7,002	400	4.22	16,850	20	18.2	5,610	2.05	765	12,680	
N. Mex.	60	62	37	1,440	56	806	80	5.73	4,584	16	19.5	3,120	5.62	134	5,947	
Ariz.	30	63	19	380	63	239	196	4.45	8,722	15	18.5	2,775	2.40	129	11,755	
Utah	50	64	32	970	62	601	515	3.69	19,004	13	16.0	2,080	5.70	3.81	21,717	
Nev.	25	65	16	690	62	428	48	4.21	2,021	6	17.5	1,050	8.0	4.39	119	
Wash.	180	63	113	8,160	64	5,222	1,220	4.15	5,350	44	18.6	8,184	4.22	99	64,149	
Oreg.	90	64	58	8,050	64	5,152	620	4.68	38,376	27	19.4	4,58	1.02	108	82,424	
Calif.	200	63	126	2,780	62	5,265	3,93	5.66	206,914	149	18.9	28,161	5.66	1,19	107	
West.	1,045	63.3	662	51,100	62.1	31,751	9,679	3.98	385,609	328	18.6	61,156	11,729	105.5	4,178	
U. S.	36,240	56.8	20,591	762,030	62.0	472,256	74,205	3.89	2,856,496	1,832	18.5	339,372	99,066	3.75	94.7	

¹/ Computed from the values of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.
²/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.
³/ Value of combined sales, plus value of products consumed in the farm household.

Table 5.—Production and disposition of milk on farms, by States, 1951. 1/

State and Division	Production of milk and milk products												Disposition of milk produced											
	Number of milk cows on farm 2/	Production per milk cow 3/ age of buttermilk fat in milk				Total production on farms 3/ Milk Butter- fat used				Butter churned on farms				Milk fed or consumed on farms where produced				Milk sold or utilized for preparation of dairy products sold from farm						
		Milk	Butter- fat	Milk	Butter- fat	Milk	Butter made	Milk	Butter made	Milk	Butter sold	Milk	Butter sold	Milk	Butter sold	Milk	Butter sold	Milk	Butter sold	Milk	Butter sold	Milk	Butter sold	
Maine	105	5,870	247	4.2	616	26	48	2,400	12	52	24	88	24	52	5	425	74	425	74	528	528	528	528	
N. H.	158	5,600	226	3.9	336	13	10	480	8	19	5	30	5	2	2	260	39	260	39	306	306	306	306	
Vt.	250	5,980	246	4.1	1,495	61	9	450	31	49	4	84	5	5	3	1,370	33	1,370	33	1,411	1,411	1,411	1,411	
Mass.	118	6,600	257	3.9	779	30	7	310	14	27	5	46	2	1	1	615	115	615	115	733	733	733	733	
R. I.	19	7,280	294	3.9	138	5	4	210	3	3	4	7	7	7	7	112	19	112	19	131	131	131	131	
Conn.	108	6,480	246	3.8	700	27	6	280	16	26	5	45	1	1	1	590	64	590	64	666	666	666	666	
N. Y.	1,292	8,820	262	3.7	8,811	326	64	2,900	256	291	35	582	29	55	55	7,920	225	7,920	225	8,225	8,225	8,225	8,225	
N. J.	151	7,510	289	3.95	1,124	44	6	300	18	37	4	59	2	2	2	988	115	988	115	1,076	1,076	1,076	1,076	
P. R.	891	6,310	243	3.86	6,622	218	101	4,700	129	333	49	511	62	162	162	4,890	217	4,890	217	5,111	5,111	5,111	5,111	
N. A.	2,992	5,561	250,0	3.81	19,631	748	261	11,820	484	837	131	1,452	120	218	218	16,940	901	16,940	901	18,179	18,179	18,179	18,179	
Ohio	934	6,520	224	4.05	6,165	269	68	3,400	150	399	54	603	14	410	410	3,980	168	3,980	168	4,562	4,562	4,562	4,562	
I. Md.	681	6,000	231	4.2	3,746	187	34	1,750	90	274	28	392	6	480	6	2,810	68	2,810	68	3,474	3,474	3,474	3,474	
Ill.	892	5,680	219	3.85	6,087	195	69	3,200	127	404	83	694	8	690	8	3,252	182	3,252	182	4,473	4,473	4,473	4,473	
Mich.	854	6,410	244	3.8	6,474	208	62	2,400	203	330	41	574	11	860	11	3,990	39	3,990	39	4,900	4,900	4,900	4,900	
W. Va.	2,170	7,010	259	3.7	15,224	663	11	500	339	435	8	1,085	3	446	8	13,610	68	13,610	68	14,121	14,121	14,121	14,121	
N. C. N.	6,331	6,287	240,8	3.84	34,664	1,332	234	11,260	1,209	1,846	194	3,248	40	2,886	40	28,016	475	28,016	475	31,416	31,416	31,416	31,416	
Conn.	1,317	6,030	217	3.6	7,942	286	23	1,000	254	394	21	669	3	3,453	3	3,760	68	3,760	68	7,273	7,273	7,273	7,273	
Iowa	1,088	5,420	206	3.8	6,997	224	88	3,000	190	472	65	727	3	3,970	3	1,130	67	1,130	67	5,170	5,170	5,170	5,170	
Mo.	942	4,370	185	4.25	4,117	175	154	7,200	111	474	146	691	8	690	8	2,459	98	2,459	98	3,426	3,426	3,426	3,426	
N. Dak.	368	4,520	173	3.76	1,700	64	69	3,950	66	296	3	1,277	95	29	95	29	1,404	1,404	1,404	1,404	1,404	1,404	1,404	1,404
S. Dak.	323	4,300	161	3.75	1,389	62	47	2,100	49	138	45	322	2	1,000	2	1,200	36	1,200	36	1,167	1,167	1,167	1,167	
N. C.	150	3,750	167	4.45	1,689	71	401	21,000	35	376	340	751	61	17	61	17	836	130	836	130	836	130	836	130
Okla.	330	5,550	157	4.45	1,662	265	168	8,800	10	145	141	294	27	9	9	168	64	168	64	266	266	266	266	
Fla.	1,377	4,400	187	4.25	603	26	27	1,400	5	386	22	242	277	541	48	20	455	96	455	96	624	624	624	624
S. A.	1,882	4,336	186,5	4.30	8,161	351	1,336	68,640	197	1,375	1,119	2,691	217	349	1	1,175	116	1,175	116	1,174	1,174	1,174	1,174	
Fly.	598	3,980	174	4.4	2,368	104	3	140	4	140	4	11	2	17	1	1,075	57	1,075	57	1,167	1,167	1,167	1,167	
Conn.	628	5,680	156	4.5	2,311	104	344	18,000	50	455	310	788	34	3,285	78	1,285	78	1,285	78	5,128	5,128	5,128	5,128	
A. Ia.	3,440	156	4.5	1,280	58	477	25,500	20	328	428	775	49	20	365	70	1,080	74	1,080	74	1,387	1,387	1,387	1,387	
Miss.	516	2,750	125	4.5	1,434	65	344	18,000	22	307	331	660	13	35	13	665	61	665	61	774	774	774	774	
Ark.	394	3,180	143	4.5	1,253	32	248	13,000	19	307	233	519	15	200	15	450	69	450	69	734	734	734	734	
La.	296	2,470	109	4.4	1,731	32	82	4,300	10	187	76	273	6	2	2	410	40	410	40	458	458	458	458	
Okla.	517	3,560	151	4.25	1,841	78	54	7,800	57	306	148	506	8	530	7	277	77	277	77	1,335	1,335	1,335	1,335	
Tex.	988	3,320	147	4.45	3,260	145	382	20,000	82	640	325	1,032	57	180	1	1,795	198	1,795	198	2,228	2,228	2,228	2,228	
S. C.	4,309	3,360	149,0	4.30	14,43	14,478	642	2,287	119,600	284	2,922	2,086	5,291	202	1,415	202	6,866	706	6,866	706	9,187	9,187	9,187	9,187
Mont.	110	4,980	195	3.9	549	21	31	1,400	21	61	28	110	3	235	3	1,175	170	1,175	170	31	31	31	31	
Idaho	186	6,240	243	3.9	1,161	45	17	800	45	90	15	161	1	105	1	65	96	105	96	1,010	1,010	1,010	1,010	
Wyo.	44	5,250	194	3.7	231	9	14	450	31	55	13	54	1	65	1	65	96	15	96	15	177	177	177	177
Colo.	169	5,350	203	3.8	904	34	33	1,650	39	89	31	159	2	312	3	390	41	390	41	745	745	745	745	
N. Mex.	50	4,270	176	4.2	210	9	13	650	8	48	12	63	1	28	1	35	36	35	36	35	35	35	35	
Ariz.	46	5,800	220	3.8	267	10	8	350	8	18	7	33	1	7	1	194	32	194	32	234	234	234	234	
Utah	100	6,850	246	3.75	657	25	14	850	22	80	13	85	1	28	1	520	23	520	23	572	572	572	572	
Wash.	14	6,100	226	3.7	86	3	140	3	140	3	6	3	12	1	16	1	46	11	46	11	73	73	73	73
Miss.	253	6,720	286	4.25	1,700	72	40	2,000	65	131	36	232	4	150	4	1,220	94	1,220	94	1,488	1,488	1,488	1,488	
Oreg.	203	5,950	268	4.5	1,208	54	29	1,500	45	117	27	190	2	160	2	800	56	800	56	1,018	1,018	1,018	1,018	
Calif.	181	7,700	300	3.9	6,014	235	44	2,100	153	153	40	329	4	65	4	5,286	336	5,286	336	5,686	5,686	5,686	5,686	
Mass.	1,956	5,539	260,3	3.98	12,988	517	245	11,900	284	2,922	2,086	5,291	202	1,415	202	6,866	706	6,866	706	9,187	9,187	9,187	9,187	
U. S.	21,706	5,358	210,8	3.96	115,591	4,572	4,910	248,850	3,452	9,826	4,286	17,552	625	18,957	3,818	18,957	3,818	18,957	3,818	98,028	98,028	98,028	98,028	

1/ Preliminary. 2/ Average number on farms during year. 3/ Excludes milk taken by calves and milk produced by cows not on farms. 4/ Excludes milk taken by calves and milk produced by cows not on farms.

Table 7.—Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by States, 1951.^{1/}

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk			Value of milk produced on farms where marketed ^{3/}			
	Quantity sold	Price per lb.	Value of sales	Quantity butterfat sold	Price per lb. butter- fat	Value of sales	Quantity sold	Price per lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Milk utilized	Lb./milk butter- fat	Average returns per 100 lb.	Value of sales (Receipts from farm market- ing)	Value of milk con- sumed in household on farms	Value of milk con- sumed in household on farms	
	1000 lb.	Gt.	1000 dol.	1000 lb.	Gt.	1000 dol.	1000 lb.	Gt.	1000 dol.	1000 lb.	Gt.	1000 dol.	1000 lb.	Gt.	1000 dol.	1000 dol.	1000 dol.		
Meas.	1,200	69	828	210	73	153	425	5.52	23,460	34	21.5	7,310	528	6.01	14.3	31,751	4,568	36,319	
N. H.	230	71	183	80	75	80	260	5.51	14,326	18	21.2	3,816	306	6.00	15.4	18,365	1,440	19,805	
Vt.	250	73	182	130	77	100	1,370	5.09	69,733	15	20.1	3,015	1,411	5.18	12.6	73,030	2,742	77,775	
Mass.	100	75	75	40	79	32	615	6.12	37,638	53	21.9	11,607	733	6.73	17.3	49,352	2,154	51,506	
R. I.	5	75	4	20	20	112	6.47	7,245	9	22.2	1,998	131	7.06	18.1	9,248	282	9,530		
Conn.	40	75	30	2,050	66	1,353	590	8.07	35,813	30	21.8	6,540	655	6.47	42,383	1,941	44,524		
N. Y.	1,300	71	923	2,050	66	1,353	7,920	4.65	36,820	105	18.4	19,320	8,229	4.74	12.8	38,876	15,452	40,382	
N. J.	70	73	51	2,632	5,810	66	3,835	9.95	54,606	53	22.9	12,137	6,21	1.075	16.1	66,794	2,546	69,340	
Pa.	2,400	68	1,632	5,810	66	3,835	4,690	5.09	23,872	101	21.4	21,614	5,111	5.20	13.5	26,592	19,864	26,866	
N. A.	5,595	69.5	3,688	8,320	86.5	5,533	16,940	5.02	849,825	418	20.9	87,357	18,179	5.21	136.7	946,601	50,992	997,593	
Ohio	700	68	476	16,400	65	10,460	3,980	4.67	185,866	73	19.8	14,454	4,562	4.64	11.5	211,456	21,019	232,476	
Iad.	300	69	205	19,580	65	12,727	2,810	4.54	127,574	27	19.4	5,238	3,354	4.35	10.4	145,746	13,137	158,883	
Ill.	300	65	195	26,360	66	17,398	3,625	4.15	149,712	71	18.2	19,922	4,473	4.03	10.6	18,027	1,880	19,904	
Mich.	500	67	336	33,110	72	23,339	3,990	4.38	174,762	18	18.5	3,330	4,900	4.13	10.9	202,266	15,322	217,588	
Wis.	150	70	105	16,460	75	12,345	13,610	3.86	525,346	32	17.4	5,668	14,127	3.85	10.4	543,364	17,171	560,355	
N. C. E.	1,980	67.6	1,318	111,920	68.8	76,959	28,015	4.15	1,163,280	221	18.6	41,512	31,416	4.08	106.2	1,283,059	85,469	1,363,528	
Minn.	100	72	72	122,680	75	91,935	3,750	3.64	136,854	27	16.9	4,653	7,273	3.21	89	233,434	13,327	246,756	
Iowa	150	71	106	146,490	74	108,403	1,180	4.03	45,539	51	17.7	5,487	5,170	3.09	81	159,536	16,893	176,128	
No. Dak.	120	71	85	46,610	64	20,454	2,550	4.38	11,690	46	17.3	7,958	4,246	4.10	96	140,362	16,142	164,422	
S. Dak.	100	70	70	35,200	70	25,340	120	4.10	4,920	16	18.3	2,928	1,157	2.87	77	35,258	5,252	38,510	
Nebr.	120	70	71	48,860	68	33,225	370	4.23	15,651	27	18.1	4,887	1,766	3.05	80	53,847	6,957	59,788	
Kans.	250	71	178	42,520	66	28,063	810	4.36	35,316	40	21.3	6,390	2,014	3.53	88	70,997	12,567	83,564	
N. C. W.	1,240	69.0	866	475,220	71.7	340,513	8,835	4.00	353,571	200	17.7	35,499	22,209	3.29	85.9	730,438	87,086	817,524	
Del.	40	62	25	570	58	331	1,075	5.38	57,835	5	20.7	1,035	174	5.50	13.9	9,565	715	10,260	
N.J.	450	60	270	570	58	331	1,080	5.40	58,320	34	19.8	6,732	1,387	5.10	120	70,692	6,654	65,753	
Yd.	2,400	54	1,396	7,490	58	4,444	2,608	5.40	275	502	13,805	42	19.9	8,258	5,20	12.1	29,283	26,571	97,283
W. Va.	900	58	522	4,140	63	2,057	405	5.59	35,217	60	20.8	12,490	838	5.95	134	49,894	42,602	40,685	
N. C.	3,200	56	1,792	710	57	405	380	6.08	10,214	30	21.3	6,390	268	6.59	148	1,657	18,716	36,373	
S. C.	1,400	60	840	2,722	63	1,621	720	4.85	4,679	795	22.4	10,080	6,53	14.7	24,772	33,891	74,633		
Ga.	2,500	56	1,400	840	59	496	455	6.65	30,258	36	22.8	8,208	536	7.20	16.9	38,590	4,392	42,982	
Fla.	200	62	124	1,920	61.4	36,174	6,865	5.20	357,014	328	19.5	63,958	9,187	5.04	113.8	463,227	256,230	719,487	
S. A.	11,050	56.5	6,269	14,130	59.4	8,397	4,305	6.64	242,950	279	21.1	58,926	5,470	5.79	134.7	316,542	146,933	465,475	
Ky.	1,000	59	590	13,440	60	8,064	1,175	4.45	52,288	54	18.2	9,828	1,631	4.34	9.9	70,770	29,816	100,886	
Tenn.	1,800	51	918	5,380	59	3,174	1,285	4.89	60,266	35	17.9	6,265	1,523	4.64	10.3	60,623	34,532	105,145	
Ala.	2,600	51	1,326	840	60	504	365	4.46	19,929	33	19.4	6,402	504	5.59	124	28,161	42,260	70,421	
Miss.	700	56	332	1,610	58	878	665	4.94	32,851	28	19.7	5,516	724	5.12	114	39,635	32,666	72,301	
Ark.	800	60	480	8,400	62	5,608	4,650	4.69	6,655	32	17.8	5,695	734	4.36	9.7	21,639	53,839	74,427	
La.	300	61	183	2,180	60	4,48	410	6.14	25,174	19	21.5	4,085	458	6.44	14.6	29,490	16,937	46,427	
Tex.	3,000	64	1,920	21,620	63	14,679	720	4.85	14,621	36	19.6	7,056	1,335	4.18	9.8	15,689	18,788	34,737	
S. C.	10,600	57.4	6,074	58,940	61.4	36,174	6,865	5.20	357,014	328	19.5	63,958	9,187	5.04	113.8	463,227	256,230	719,487	
Mont.	140	70	98	8,740	70	6,118	170	4.10	6,970	14	19.7	2,758	439	3.63	9.3	15,944	3,231	19,175	
Idaho	50	73	35	4,040	69	2,788	870	3.89	33,845	16	18.5	2,960	1,010	3.92	10.1	39,627	4,155	43,782	
Wyo.	40	71	28	2,420	71	1,718	98	4.34	4,166	7	19.0	1,330	1,177	4.09	11.1	7,242	1,800	9,042	
Colo.	100	70	70	11,290	70	7,003	390	4.88	19,032	19	20.3	3,857	745	4.14	10.9	30,662	4,968	35,830	
N. Mex.	50	66	33	1,120	66	739	83	6.19	5,138	16	20.1	3,216	147	6.21	14.8	9,126	3,540	12,666	
Ariz.	30	70	21	2,260	70	182	194	4.94	9,584	15	20.2	3,030	234	5.48	14.4	12,817	1,370	14,187	
Utah	50	70	35	1,040	68	707	520	4.16	21,590	11	17.4	1,914	572	4.24	11.3	24,238	2,671	26,907	
Nebr.	20	72	14	5,880	70	4,212	48	4.61	2,121	6	20.2	1,010	73	4.67	13.2	3,157	438	3,954	
Wash.	180	71	128	6,1120	70	4,284	1,220	4.79	5,438	44	20.2	8,888	1,468	4.89	11.6	71,357	8,166	79,904	
Oreg.	90	74	67	6,930	74	5,128	800	5.49	43,920	25	21.7	5,642	1,018	5.38	12.0	54,757	7,747	62,504	
Calif.	210	76	168	2,590	78	1,968	5,286	4.67	2,047	156	21.3	31,884	5,885	4.93	12.6	280,226	8,677	289,203	
West.	960	71.7	688	45,130	70.8	31,947	9,669	4.67	451,358	329	20.2	6,642	11,429	11.56	9.76	550,432	46,763	597,156	
U. S.	31,435	60.8	19,099	713,650	70.0	499,533	74,629	4.68	3,417,986	1,775	19.9	353,681	98,029	4.38	110.6	4,280,299	673,473	4,963,772	

^{1/} Preliminary.^{2/} Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.^{3/} Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.^{4/} Value of combined sales, plus value of products consumed in the farm household.

Table 8.-Monthly milk production on farms, United States 1929-51 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly total
Million pounds													
1929	7,187	6,860	8,057	8,543	10,047	10,562	10,027	8,800	7,642	7,335	6,811	7,107	98,988
1930	7,371	7,051	8,253	8,723	10,386	10,766	9,725	8,413	7,522	7,466	7,091	7,391	100,158
1931	7,798	7,417	8,519	9,048	10,580	10,883	9,663	8,643	7,798	7,737	7,427	7,716	103,029
1932	7,951	7,784	8,625	8,854	10,504	10,701	9,777	8,739	7,974	7,810	7,359	7,722	103,810
1933	7,983	7,532	8,580	8,989	10,665	10,675	9,973	9,167	8,192	7,941	7,417	7,648	104,762
1934	7,652	7,144	8,272	8,760	10,182	10,477	9,796	9,004	8,160	7,835	7,185	7,154	101,621
1935	7,084	6,690	7,823	8,440	10,222	10,991	10,384	9,402	8,258	7,702	7,003	7,206	101,205
1936	7,292	7,159	8,244	8,807	10,507	10,948	9,893	8,695	8,049	8,090	7,322	7,404	102,410
1937	7,388	6,399	8,041	8,560	10,466	10,955	10,323	9,192	8,071	7,735	6,981	7,297	101,908
1938	7,438	7,089	8,443	9,120	10,881	11,226	10,581	9,545	8,445	8,073	7,396	7,570	105,807
1939	7,807	7,411	8,725	9,195	10,903	11,277	10,498	9,515	8,394	7,945	7,433	7,689	106,792
1940 2/	7,670	7,631	8,796	9,377	11,276	11,678	10,845	9,919	8,822	8,269	7,427	7,702	109,412
1941 2/	8,122	7,855	9,174	10,050	12,182	12,042	11,372	10,455	9,238	8,684	7,798	8,116	115,088
1942 2/	8,451	8,149	9,539	10,504	12,600	12,555	11,853	10,902	9,414	8,629	7,790	8,147	118,533
1943 2/	8,458	8,210	9,637	10,359	12,303	12,654	11,848	10,608	9,111	8,425	7,560	7,844	117,017
1944 2/	8,358	8,438	9,592	10,189	12,272	12,333	11,594	10,410	9,223	8,646	7,821	8,147	117,023
1945 2/	8,517	8,243	9,814	10,718	12,696	12,907	12,194	11,010	9,428	8,719	7,718	7,864	119,828
1946 2/	8,202	8,029	9,603	10,595	12,577	12,489	11,813	10,756	9,295	8,632	7,698	8,007	117,697
1947 2/	8,418	8,231	9,787	10,508	12,491	12,631	11,930	10,454	8,998	8,445	7,374	7,547	116,814
1948 2/	7,842	7,856	9,155	9,999	11,997	11,986	11,246	10,248	8,898	8,305	7,432	7,706	112,671
1949 2/	8,096	7,938	9,587	10,469	12,326	12,116	11,279	10,548	9,222	8,624	7,806	8,092	116,103
1950 2/	8,378	8,199	9,785	10,387	12,034	12,138	11,497	10,570	9,184	8,658	7,800	7,972	116,602
1951 3/	8,289	8,027	9,662	10,215	12,164	12,212	11,436	10,505	9,145	8,528	7,611	7,797	115,591

1/ Estimates based on national indications of milk production and utilization. Subject to revision when data for all individual

States become available.

2/ Revised. 3/ Preliminary.

Table 9.-Total supply and utilization of milk in the United States, 1940-51

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951 6/
Million pounds												
Milk production on farms	109,412	115,088	118,533	117,017	117,023	119,828	117,697	116,814	112,671	116,103	116,602	115,591
Utilization (milk equivalent)												
Manufactured in plants												
Creamery butter												
Total	37,349	38,077	35,938	34,460	30,620	28,065	24,145	27,430	24,980	29,149	28,639	25,170
From whey cream	548	665	775	698	713	780	772	830	771	842	839	810
Net	36,801	37,412	35,163	33,762	29,907	27,285	23,373	26,600	24,209	28,307	27,800	24,360
Chesse												
American	6,115	7,612	9,247	7,743	8,090	8,777	8,058	9,393	8,597	9,384	8,975	8,690
Other	1,747	1,945	1,874	2,179	2,045	2,346	2,894	2,381	2,332	2,569	2,891	2,850
Canned milk												
Evaporated	5,266	7,023	7,592	6,594	7,384	8,147	6,567	6,899	7,271	5,898	6,176	6,240
Sweetened condensed	137	268	147	278	330	339	269	389	295	234	143	140
Bulk condensed milk												
Unsweetened	312	278	307	249	289	310	237	423	483	492	537	550
Sweetened	165	172	163	145	138	167	151	179	98	103	85	80
Dry whole milk	223	347	474	1,052	1,355	1,650	1,421	1,250	1,293	956	951	1,000
Frozen dairy products												
Ice cream, total	4,712	5,754	6,795	5,177	5,354	5,788	9,595	8,732	7,939	7,756	7,781	8,290
Other 1/ total				199	202	268	108	105	127	176	217	260
Fat from other products 2/	982	1,214	1,457	826	859	926	1,507	1,346	1,474	1,448	1,454	1,550
Net from milk and cream	3,730	4,540	5,338	4,550	4,697	5,130	8,196	7,491	6,592	6,484	6,544	7,000
Other factory products 3/	54	63	94	196	514	720	552	515	560	561	723	750
Total factory products 4/	54,550	59,660	60,399	56,748	54,749	54,871	51,718	55,520	51,730	54,988	54,825	51,660
Used for farm butter	8,129	7,967	7,365	6,860	6,621	6,714	6,557	6,154	5,808	5,440	5,160	4,910
Consumed as milk or cream												
On farms where produced	12,063	12,020	11,856	11,615	11,688	11,451	11,562	11,048	10,505	10,027	9,808	9,825
Fed to calves	2,994	3,124	3,294	3,276	3,258	3,290	3,228	3,194	3,064	3,163	3,286	3,452
Other uses 5/	31,676	32,317	35,619	38,518	40,707	43,502	44,632	40,898	41,564	42,485	43,523	45,744

1/ Milk sherbet and ice milk. Not available prior to 1943.

2/ Milk equivalent of butter and condensed milk used in ice cream.

3/ Includes dry cream, melted milk, dry part skim milk, dry ice cream mix and, for 1946 and later years, whole milk equivalent of the fat in cottage cheese.

4/ Includes net milk equivalents on butter and frozen dairy products to avoid double counting of milk from which fat was reused in making a second dairy product.

5/ Computed as the difference between the milk produced on farms and the quantity of milk utilized for manufacture of principal factory dairy products, farm-churned butter, consumption of fluid milk and cream on farms where produced, and feeding of calves. It includes milk consumed as fluid milk and cream by the nonfarm population and by people on farms where milk is not produced. It also reflects the net effects of additional supplies of milk produced by cows not on farms, imports of milk and cream and stocks of cream carried over on the first of the year, additional miscellaneous utilization as represented by exports, year-end carryover of milk and cream, and miscellaneous products not included above. Any errors in the independently determined figures on production or utilization are likewise included. The table differs from that carried in recent years in that no separate series of fluid milk and cream consumption in cities and villages is shown. The volume of milk included in "other uses" suggests a lower level of fluid consumption than previously carried. It is hoped that a series of revised estimates on utilization for non-farm fluid milk and cream consumption can be completed and released before the end of the current calendar year. Work on a special study to determine current levels of nonfarm fluid milk and cream consumption, and revisions which may be needed for earlier years, was started in 1948 with funds available under the Research and Marketing Act.

6/ Preliminary.

Table 10.-Milk Production on Farms, by Months, Selected States, 1940-49 average, 1950 and 1951

	January	February	March	April	May	June	July	August	September	October	November	December	Year
<u>M i l l i o n p o u n d s</u>													
<u>NEW JERSEY</u>													
1940-49 av.	82	78	89	90	100	94	90	89	85	82	77	81	1,037
1950	97	90	103	101	109	99	91	93	89	91	88	89	1,140
1951 1/	92	85	99	99	112	103	95	96	91	89	84	89	1,134
<u>PENNSYLVANIA</u>													
1940-49 av.	382	365	429	449	513	498	468	452	422	407	368	380	5,133
1950	442	417	495	506	570	530	497	482	449	444	397	402	5,631
1951 1/	424	405	485	500	569	541	497	478	454	441	405	423	5,622
<u>OHIO</u>													
1940-49 av.	344	326	384	421	522	530	507	472	428	403	348	340	5,024
1950	374	350	413	434	534	540	519	493	453	438	370	355	5,273
1951 1/	358	330	401	429	542	544	522	484	438	415	354	348	5,165
<u>INDIANA</u>													
1940-49 av.	255	245	277	294	361	363	356	338	309	292	252	252	3,594
1950	255	250	287	296	373	383	378	354	318	304	262	248	3,708
1951 1/	259	252	283	290	389	396	377	358	330	301	260	251	3,746
<u>ILLINOIS</u>													
1940-49 av.	404	393	446	469	567	555	514	483	432	411	371	387	5,435
1950	378	368	435	450	528	530	506	480	417	404	358	354	5,208
1951 1/	373	373	429	429	523	532	504	469	413	371	323	328	5,067
<u>MICHIGAN</u>													
1940-49 av.	380	372	424	449	534	552	512	478	434	409	354	362	5,261
1950	401	384	455	464	529	562	523	492	440	422	373	375	5,420
1951 1/	390	382	450	471	563	560	514	490	461	438	375	380	5,474
<u>WISCONSIN</u>													
1940-49 av.	1,002	1,023	1,238	1,346	1,624	1,642	1,440	1,226	1,036	955	840	931	14,302
1950	1,077	1,076	1,354	1,449	1,581	1,663	1,473	1,268	1,041	968	883	963	14,796
1951 1/	1,084	1,094	1,370	1,464	1,713	1,716	1,520	1,329	1,107	996	858	961	15,212
<u>MINNESOTA</u>													
1940-49 av.	697	692	806	804	933	944	818	658	535	510	518	628	8,543
1950	687	696	828	800	865	892	749	582	460	452	474	582	8,067
1951 1/	672	670	782	767	858	876	737	607	476	465	477	555	7,942
<u>IAWA</u>													
1940-49 av.	474	465	547	569	728	720	672	602	497	469	422	444	6,608
1950	445	426	509	522	644	663	633	562	477	459	410	421	6,171
1951 1/	445	426	500	492	624	637	589	536	461	433	376	378	5,897
<u>MISSOURI</u>													
1940-49 av.	244	237	275	325	407	406	396	385	346	314	261	250	3,847
1950	251	244	299	346	440	440	437	423	377	340	270	265	4,132
1951 1/	256	246	299	337	433	445	451	431	369	332	266	252	4,117
<u>NORTH DAKOTA</u>													
1940-49 av.	121	131	155	171	228	262	242	202	150	127	108	114	2,012
1950	96	107	130	140	177	219	218	180	140	110	89	94	1,699
1951 1/	93	104	128	142	188	217	213	178	138	110	94	95	1,700
<u>SOUTH DAKOTA</u>													
1940-49 av.	110	113	131	143	189	209	188	153	119	103	91	98	1,648
1950	89	91	109	120	157	171	160	132	110	95	84	84	1,402
1951 1/	89	92	110	119	158	171	162	134	110	90	75	79	1,389
<u>NEBRASKA</u>													
1940-49 av.	179	180	205	230	287	299	275	240	191	170	155	165	2,576
1950	154	156	187	202	241	247	242	217	172	158	136	138	2,250
1951 1/	150	154	183	193	235	240	232	202	160	140	128	132	2,149
<u>KANSAS</u>													
1940-49 av.	209	213	238	270	326	307	282	264	221	209	198	201	2,938
1950	174	175	207	226	265	260	252	244	202	185	178	180	2,548
1951 1/	182	178	206	224	264	258	241	233	192	171	161	167	2,477
<u>VIRGINIA</u>													
1940-49 av.	114	106	120	133	162	168	173	174	160	149	127	122	1,708
1950	136	128	148	156	193	195	194	194	177	169	149	137	1,976
1951 1/	134	128	151	163	192	195	194	193	176	166	144	139	1,975

1/ Preliminary.

Table 10.-Milk Production on Farms, by Months, Selected States, 1940-49 average, 1950 and 1951
(continued)

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Million pounds													
WEST VIRGINIA													
1940-49 av.	54	50	57	64	80	86	86	81	74	70	59	55	816
1950	58	54	62	67	85	88	84	79	73	72	59	53	834
1951 1/	54	51	60	65	84	91	87	77	68	65	56	53	811
NORTH CAROLINA													
1940-49 av.	104	98	112	121	134	135	142	141	128	121	109	107	1,452
1950	112	104	119	133	149	147	150	148	134	129	119	117	1,561
1951 1/	117	110	121	138	155	146	147	146	135	131	122	121	1,589
SOUTH CAROLINA													
1940-49 av.	42	40	46	49	53	53	56	55	50	47	42	43	574
1950	40	38	44	49	52	51	52	53	48	46	41	42	556
1951 1/	42	39	45	48	51	52	54	51	48	47	42	43	562
KENTUCKY													
1940-49 av.	132	127	146	172	221	228	238	236	206	179	146	135	2,165
1950	143	140	164	189	248	258	268	269	234	206	165	144	2,428
1951 1/	151	140	160	186	244	259	257	240	215	202	165	149	2,368
TENNESSEE													
1940-49 av.	136	131	154	178	216	217	227	227	202	172	146	141	2,145
1950	152	147	172	197	238	238	242	242	212	187	155	147	2,329
1951 1/	145	136	166	198	241	237	243	238	212	187	158	150	2,311
ALABAMA													
1940-49 av.	91	85	98	108	122	123	129	123	111	104	94	93	1,283
1950	94	92	104	111	123	120	126	120	110	104	94	94	1,292
1951 1/	94	90	101	108	119	121	126	118	110	104	96	93	1,280
MISSISSIPPI													
1940-49 av.	85	84	102	121	146	142	144	136	115	103	91	86	1,355
1950	94	98	116	132	151	145	146	135	114	105	94	93	1,423
1951 1/	98	97	115	133	153	149	150	138	115	102	95	89	1,434
OKLAHOMA													
1940-49 av.	156	164	195	223	272	263	256	234	191	172	150	144	2,419
1950	136	138	163	176	216	208	207	197	159	143	125	123	1,991
1951 1/	135	131	153	164	200	191	185	172	146	136	115	113	1,841
TEXAS													
1940-49 av.	262	266	315	362	406	402	401	364	325	304	272	261	3,940
1950	247	249	290	319	346	340	333	309	283	267	240	228	3,451
1951 1/	229	230	285	296	329	327	311	300	261	249	224	219	3,260
MONTANA													
1940-49 av.	44	44	51	58	74	80	75	65	55	51	42	43	682
1950	37	37	43	47	59	66	63	55	47	42	35	34	565
1951 1/	36	36	42	46	57	62	61	54	46	41	35	33	549
IDAHO													
1940-49 av.	90	88	104	115	138	136	130	119	104	100	87	88	1,298
1950	82	80	98	107	126	127	120	112	96	90	79	80	1,197
1951 1/	82	78	94	104	119	120	115	107	93	89	79	81	1,161
UTAH													
1940-49 av.	49	47	54	57	66	65	62	54	48	46	44	47	642
1950	53	49	55	59	66	66	62	56	48	48	45	48	655
1951 1/	51	50	54	58	66	66	61	56	50	49	46	50	657
WASHINGTON													
1940-49 av.	128	125	149	174	211	205	193	175	153	145	127	126	1,912
1950	125	117	141	155	187	184	172	156	140	134	118	117	1,746
1951 1/	121	116	136	152	182	175	163	149	134	132	119	121	1,700
OREGON													
1940-49 av.	83	81	104	129	155	151	143	125	107	100	88	84	1,350
1950	77	75	99	121	143	140	132	117	100	91	81	77	1,253
1951 1/	75	74	94	116	138	133	124	109	96	90	81	78	1,208
CALIFORNIA													
1940-49 av.	401	395	482	522	548	515	507	480	434	427	398	400	5,508
1950	438	420	519	551	585	557	551	528	483	473	439	447	5,991
1951 1/	451	432	515	548	578	552	553	532	483	477	441	452	6,014

1/ Preliminary.

Table 11-Number of farms reporting milk cows and other dairy items, by States, 1950 1/

State and Division	All farms	Farms reporting milk cows on place	Farms reporting dairy products sold in 1949			Dairy Farms (basis source of income) 3/	Farms reporting milking machines
			Milk	Cream	Other products 2/		
Me.	30,358	18,337	7,366	1,296	2,769	4,944	4,770
N. H.	13,391	7,585	4,166	361	516	2,963	2,931
Vt.	19,043	14,660	11,865	390	480	10,822	9,832
Mass.	22,220	10,522	5,774	268	224	4,478	4,062
R. I.	2,598	1,297	783	37	11	630	493
Conn.	15,615	8,947	4,648	145	146	3,947	3,472
N. Y.	124,977	85,646	62,522	4,536	3,286	55,428	50,840
N. J.	24,838	9,076	4,810	121	195	4,081	3,803
Pa.	146,887	100,137	55,399	9,378	5,787	43,833	35,292
N. ATL.	399,927	256,207	157,333	16,532	13,414	131,126	115,495
Ohio	199,359	142,584	83,234	27,012	2,105	32,530	39,859
Ind.	166,627	117,620	65,853	27,477	731	15,956	28,121
Ill.	195,268	143,889	65,752	42,849	886	15,876	31,775
Mich.	155,589	105,990	62,997	28,429	1,209	45,729	42,264
Wis.	168,561	142,977	136,906	5,041	123	116,500	94,201
E.N.CEN.	885,404	653,060	414,742	130,808	5,054	226,591	236,220
Minn.	179,101	143,350	56,843	80,963	364	50,019	65,139
Iowa	203,159	168,599	22,510	123,418	172	7,887	42,305
Mo.	230,045	179,214	58,638	56,801	1,598	29,750	14,180
N.Dak.	65,401	49,220	2,632	41,244	84	2,510	7,612
S. Dak.	66,452	50,820	3,506	37,842	98	1,933	5,667
Nebr.	107,183	85,183	10,118	60,353	142	2,820	9,452
Kans.	131,394	98,932	22,797	53,473	267	8,534	13,266
W.N.CENT.	982,735	775,318	177,044	454,094	2,725	103,453	157,621
Del.	7,448	3,857	1,800	69	203	1,212	1,053
Md.	36,107	21,415	8,821	2,050	1,347	6,893	5,559
Va.	150,997	105,491	19,665	18,759	8,992	8,183	4,107
W.Va.	81,434	58,999	9,042	12,560	5,137	4,330	2,303
N. C.	288,508	153,908	21,371	4,477	13,326	5,242	3,570
S. C.	139,364	67,750	5,303	2,064	5,030	1,604	1,364
Ga.	198,191	115,205	8,675	4,644	12,864	2,914	3,029
Fla.	56,921	21,617	1,695	436	650	956	983
S. ATL. 4/	958,998	548,246	76,374	45,060	47,549	31,334	21,968
Ky.	218,476	166,027	35,549	50,021	3,569	9,059	7,137
Tenn.	231,631	165,418	46,977	16,025	9,394	14,673	6,245
Ala.	211,512	145,359	13,131	5,589	13,518	2,600	2,124
Miss.	251,383	153,910	22,622	4,990	5,145	7,309	3,463
Ark.	182,429	116,546	16,132	17,859	5,504	6,591	2,893
La.	124,181	79,814	4,587	907	1,329	3,210	3,505
Okla.	142,246	107,233	18,801	35,477	1,229	8,336	7,592
Tex.	331,567	224,453	22,235	24,041	10,406	9,593	10,048
S.CENT.	1,693,425	1,158,760	180,034	154,909	50,094	61,371	43,007
Mont.	35,085	23,023	3,011	11,811	110	1,787	3,153
Idaho	40,284	30,830	18,391	6,295	73	6,229	11,782
Wyo.	12,614	9,175	1,471	3,851	37	836	1,081
Colo.	45,578	30,566	6,630	12,374	155	3,114	4,496
N. Mex.	23,599	12,407	1,714	1,536	227	647	923
Ariz.	10,412	4,994	1,523	256	108	848	2,103
Utah	24,176	16,471	8,996	1,782	98	3,617	3,869
Nev.	3,110	1,906	409	416	19	348	450
Wash.	69,820	43,893	17,403	9,856	327	10,569	11,529
Oreg.	59,827	38,396	13,173	10,060	175	6,644	9,163
Calif.	137,168	45,072	18,902	2,488	405	12,969	15,451
WEST.	461,673	256,733	91,623	60,725	1,734	47,608	64,000
U. S.	5,382,162	3,648,324	1,097,150	862,128	120,570	601,483	638,311

1/ Data from 1950 Census of Agriculture. Figures taken from preliminary State releases.

2/ Chiefly farm-churned butter but also includes skim milk, buttermilk, cheese, etc.

3/ Farms meeting the following requirements: (a) value of dairy products sold at least 30% of value of all products sold and (b) milk cows make up at least half the total cows and (c) the value of combined sales of dairy products and cattle and calves represent at least 50 percent of the value of all products sold.

4/ Includes farms in the District of Columbia not shown separately.

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